AMENDMENT 4 – BIDDERS QUESTIONS AND RESPONSES

Central MSW Transfer Station Upgrades
656 Laurel Hill Drive, Rutherfordton, NC
Rutherford County, North Carolina

The following is a compilation of questions received since the pre-bid meeting and responses from the design team. The list of questions is presented anonymously with respect the bidder. It was stated in the pre-bid meeting that all questions were to be submitted in writing and would be responded to for all bidders.

1. The County determined that the building inspections office has estimated a cost for permits at 1450.00 dollars. This is based on a 63x80 building with electrical and plumbing.

2. Below is response from Foothills Landfill.

   Per our conversation, the soil beneath the Transfer Concrete Floor will require testing for TCLP Metals, VOCs, and SVOCs. The disposal fee at the landfill will be $25/ton (includes tax and fees).

   The landfill information:

   Foothills Regional Landfill
   2800 Cheraw Road
   Lenoir, NC 28645
   828-757-0965

3. The details shown on sheets 3, 4, & 6 are not numbered. Can you number these details so we can determine where they occur?

   All details with callouts are numbered and are indicated by a split circle with Detail # on top and Drawing # (NOT Sheet #) on the bottom. New detail numbers have been added to Sheets 4 and 6.

4. Also, the lower level slab drawing has the construction/control detail called out but is not shown. Please provide the detail.

   I believe this refers to the callout for construction and control joints, indicated as Detail 2, Drawing S2, which is Sheet 13 – the same sheet as the call out.

5. Would it be possible to get the existing drawings scanned and added to the website for reference?

   The hard copy of the original construction drawings have been scanned at ARC in Asheville. PDF's of the scans will be available on the County web site, or can be downloaded from ARC. Contractors are reminded that the As-Built condition takes priority over the information shown on the Drawings.

6. Is there a spec for the trench grates?

   Yes, Section 8/S5 indicates the model of the trench to be provided. Also see attached product description, used for preliminary budgeting. Equivalent products may be substituted.

7. Does the facility have any special NEMA rating such as dust tight, explosion proof, etc.?

   No

8. Addendum #3 changes the 2" galvanized water pipe to ductile iron. Does the size remain 2" or does it change? We do not believe that 2" ductile iron is available.

   Original plans show approximate existing piping location but not type. The County will accept a recommendation from the successful Bidder regarding galvanized vs. ductile vs. other materials. The concern is the high wheel loads above the piping in the floor.

9. How many translucent roof panels are required?

   Six – three each side of the roof crest.

10. For the steel for the chute, what are the load(s) that should be accounted for by the Metal Building? Vertical and Horizontal.

    The localized loading to be used on the chutes shall be 500 lbs. vertical and horizontal applied on a 4'x4' area of the chute. Only one location of the load will be applied at a time.

11. Please confirm that the base bid is to reuse the 2 existing 8' wide doors and the alternate is to furnish 2 new 12' wide doors.

    Other way around – base bid should include 12-foot wide doors. Alternate is reuse existing doors. The County expects a cost reduction for the alternate. Please note changes outside the building needed for the base bid may not be needed for the alt.

12. What is the height of the 12' doors and are they to be coiling like the existing?

    TBD – assume 10 foot high openings for now. The doors will be coiling like the existing.

13. Where the existing remaining floor and the new floor meet, how is this joint to be treated?

    Refer to Sections 6/S3 and 7/S3 for this condition. From C-X5 to D-X5, the new slab may be lower than the existing slab.

14. Please confirm that all piping under the slab is encased in high slump concrete slurry.

    This is correct. However, we would accept a compacted select fill soil meeting a Unified Soil Classification System class SM, extending to a depth of 12 inches beneath the base grade of the slab, overlain by compacted ABC stone in the upper 12 inches beneath the slab subgrade. All granular backfill shall be inspected and tested for grain size and in-place density, and the piping shall be pressure tested after backfilling the trench but prior to pouring the slab.

15. There is a note on C2 stating that the structural fill is to be CABC. Please confirm that ALL fill under new and existing slabs is to be CABC.

    This is correct.

16. Are there hairpins at the front columns where we are removing the slab? If so are they to remain or how is this to be handled?

    The existing hairpins at Grid 'A' can be cut during the demolition of the slab. The new exterior concrete apron will provide all the resistance against the column thrust.

17. The comment was made at the pre-bid that we would not be undermining the existing foundations but I do not see mention of this in the meeting notes. Please confirm that we are not undermining the foundation and shoring is not required.

    The only conflict of new footings with existing footings occurs at D-X5. The projecting portion of the existing footing will be removed. See Addendum for additional information.

18. It appears from elevations that the new bollards for the existing columns will sit on the existing footings. Please confirm that this is correct and no coring of the existing footings will be required.

    The new slab adjacent to the existing building columns will be thickened to pour down on top of the existing footing. The thickened area shall extend a minimum of 16" radius from the new bollards.

19. It appears that along a line between X5 & X6 and along X5 where the existing building is to remain, the area where new slab and existing slab meet there will be a step now for the new sloped floor. Is this correct and how is this to be handled?

    At the interface of the new and existing slabs in this area, the existing slab will be ground down to provide a satisfactory transition.

20. Is the new push wall along X9 to be sloped with the floor for a constant wall height or will the top of the wall remain at the same height?

    At the Contractor's option, it can be either.

21. What happens to the wall sheets along X9 as they will no longer come down to the new sloped floor?

    At present we envision pouring a narrow curb along the edge of the slab to obtain a flat edge at reference elevation 0.0.

END OF BIDDERS QUESTIONS AND ANSWERS